

Title (en)
PRESSURE REGULATING VALVE

Title (de)
DRUCKREGELVENTIL

Title (fr)
SOUPAPE DE RÉGLAGE DE PRESSION

Publication
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Application
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Abstract (en)
[origin: WO2009065735A1] The invention relates to a pressure regulating valve (1) having a compression spring fixed in a valve housing for positioning a valve plunger (3) connected to a magnetic armature (4) in the position above a valve seat (2) and not electromagnetically excited, in order to create a connection between at least two pressure medium channels opening into the valve housing (1), and having a further compression spring disposed coaxially to the first compression spring in the valve housing (1), having the characteristic that the first compression spring is designed as a control spring (6) forming a stroke and force-specific spring drive by adjusting the spring rates of both compression springs to the force/distance curve of an electromagnet by varying the current in an exciter coil (10), wherein the further compression spring is designed as a variably adjustable spring (7) acting opposite to the control spring (6).

IPC 8 full level
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CPC (source: EP US)
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Cited by
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